

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

Attachment No. 1

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PROPOSED STATE STANDARD,  
TITLE 8, DIVISION 1, CHAPTER 4

Amend Section 3228 to read:

§3228. Number of Exits.

(a) Every building or usable portion thereof shall have at least one exit, and shall have not less than two exits where required by Table E-1, two exits to permit prompt evacuation of employees and other building occupants during an emergency. The exits shall be located as far away as practicable from each other so that if one exit is inaccessible because of fire or smoke, employees can evacuate using the second exit.

~~EXCEPTION: Assembly buildings shall be provided with not less than two remotely located exits. (Title 24, Part 2, Section 2-3302(A)(1).)~~

EXCEPTION: In accordance with Title 24, Part 2, California Code of Regulations, a single exit shall be permitted where the number of employees, the size of the building, its occupancy or the arrangement of the workplace is such that all employees would be able to evacuate safely during an emergency.

~~(b) In all occupancies, floors above the first story having an occupant load of more than 10 shall have not less than two exits. More than two exits must be provided in a workplace if the number of employees, the size of the building, its occupancy, or the arrangement of the workplace is such that all employees would not be able to evacuate safely during an emergency if only two exits were provided.~~

~~NOTE: See subsection (h) for special exit requirements.~~

~~(Title 24, Part 2, Section 2-3302(a)(2).)~~

Note to subsections (a) and (b): For assistance in determining the number of workplace exits, and the necessary distance between exits, consult Title 24, Part 2, California Code of Regulations, and your local jurisdiction fire department.

~~(c) Each mezzanine used for other than storage purposes, if greater in area than 2000 square feet or if more than 60 feet in any dimension shall have not less than two stairways to an adjacent floor.~~

~~(Title 24, Part 2, Section 2-3302(a)(3).)~~

~~(d) Every story or portion thereof, having an occupant load of 501 to 1,000 shall have not less than three exits. (Title 24, Part 2, Section 2-3302(a)(4).)~~

~~(e) Every story or portion thereof, having an occupant load of 1000 or more shall have not less than four exits. (Title 24, Part 2, Section 2-3302(a)(5).)~~

~~(f) The number of exits required from any story of a building shall be determined by using the occupant load of that story, plus the percentages of the occupant loads of floors which exit through the level under consideration as follows:~~

~~(1) Fifty percent of the occupant load in the first adjacent story above (and the first adjacent story below, when a story below exits through the level under consideration).~~

~~(2) Twenty five percent of the occupant load in the story immediately beyond the first adjacent story.~~



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~~The maximum number of exits required for any story shall not be decreased in the direction of exit travel until egress is provided from the structure.~~

~~(Title 24, Part 2, Section 2 3302(a)(6).)~~

~~(g) For purposes of these orders, basements or cellars and occupied roofs shall be provided with exits as required for stories. (Title 24, Part 2, Section 2 3302(a)(7).)~~

~~(h) Every working area specified below shall be provided with at least two exits so located with respect to each other as to provide an alternate means of escape to a place of safety.~~

~~(1) Unless specifically covered elsewhere in these orders, elevated platforms 10 feet or more above ground or floor or pits 30 inches or more in depth, having 200 or more square feet of area, floors or rooms in or on which are located steam, gas, oil or air engines, motors, compressors, steam or hydraulic turbines or pumps, mixing vats, pans, tanks, or chemical processing equipment and where the absence of a second exit would increase the risk of injury from hot, poisonous, corrosive, suffocating, flammable, or explosive substances.~~

~~This order does not apply to valve pits, utility vaults, or manholes.~~

~~(2) Rooms, except film vaults, where pyroxylin plastics are stored, fabricated, or otherwise processed.~~

~~(3) Rooms where magnesium metal is machined, buffed, or otherwise processed so as to produce waste magnesium dust.~~

~~(4) Rooms where magnesium metal is melted.~~

~~(5) Rooms where flammable organic dusts may accumulate to explosive mixtures.~~

~~NOTE: An outside fire escape will be acceptable as one of the required means of egress for existing installations, but elevators are not acceptable as required means of egress.~~

~~(Title 24, Part 2, Section 2 3302(a)(9)(1) (a)(9)(6).)~~

~~(i) Boiler, Furnace and Incinerator Rooms. Any room containing a boiler, furnace, incinerator, or other fuel fired equipment must be provided with two means of egress when both of the following conditions exist:~~

~~(1) The area of the room exceeds 500 square feet, or~~

~~(2) The largest single piece of fuel fired equipment exceeds 1,000,000 B.T.U. per hour input capacity.~~

~~EXCEPTION: Rooms housing high pressure boilers (greater than 15 lbs. psi) where either of the conditions listed in (1) or (2) exist shall be provided with 2 exits.~~

~~If two means of egress must be provided, one may be a fixed ladder. The means of egress must be separated by a horizontal distance not less than half the greatest horizontal dimension of the room. All openings shall be protected with a self closing fire assembly having a minimum one-hour fire protection rating. Where oil fired boilers are used, a 6-inch noncombustible sill (dike) shall be provided. There shall be no interior openings between any occupancy where flammable or explosive concentrations may be expected to accumulate.~~

~~(Title 24, Part 2, Sections 3320(a) and 2 3320.)~~



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~~(j) All parking garages where no one except parking attendants are allowed shall have not less than 2 stairways 3 feet wide. The automobile ramp will be acceptable as one of the required stairways if the remaining stairway is remotely located from the ramp.~~

~~(Title 24, Part 2, Section 2-3302(l).)~~

~~(k) For purposes of determining the number of exits required, the occupant load of a building or portion thereof shall be computed by dividing the floor area assigned to that use by the square feet per occupant as set forth in Table E-1. When the square feet per occupant are not given for a particular occupancy, the number of exits shall be determined by using the square feet per occupant of the occupancy it most nearly resembles.~~

~~(Title 24, Part 2, Section 2-3301(d).)~~

~~(l) Floors above the second story and basements shall have not less than two exits except when such floors or basements are used exclusively for the service of the building.~~

~~NOTE: As provided in Table E-1, only one exit shall be required from a basement within an individual dwelling unit.~~

~~(Title 24, Part 2, Section 2-3302(a)(8).)~~

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code; and Section 18943(c), Health and Safety Code.



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Repeal Table E-1 as follows:

**TABLE E 1. MINIMUM EGRESS AND ACCESS REQUIREMENTS**

	<i>USE<sup>1</sup></i>	<i>MINIMUM OF TWO EXITS OTHER THAN ELEVATORS ARE REQUIRED WHERE NUMBER OF OCCUPANTS IS OVER-</i>	<i>PER SQUARE FEET OCCUPANT<sup>2</sup></i>
<del>1</del>	<del>Aircraft Hangars (No Repair)</del>	<del>10</del>	<del>500</del>
<del>2-</del>	<del>Auction Rooms-</del>	<del>30</del>	<del>7</del>
<del>3-</del>	<del>Assembly Areas, Concentrated Use (without fixed seats)</del>	<del>50-</del>	<del>7</del>
	Auditoriums Bowling Alleys (Assembly areas) Churches and Chapels Dance Floors Lodge Rooms Reviewing Stands Stadiums		
<del>4-</del>	<del>Assembly Areas, Less concentrated Use</del>	<del>50</del>	<del>15-</del>
	Conference Rooms Dining Rooms Drinking Establishments Exhibit Rooms Gymnasiums Lounges Stages		



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<del>5-</del>	<del>Children's Homes and Homes for the Aged</del>	<del>5-</del>	<del>50</del>
<del>6-</del>	<del>Classrooms-</del>	<del>80</del>	<del>90</del>
<del>7</del>	<del>Dormitories-</del>	<del>40</del>	<del>90</del>
<del>8-</del>	<del>Dwellings-</del>	<del>40-</del>	<del>300</del>
<del>9-</del>	<del>Garage, Parking-</del>	<del>30-</del>	<del>900-</del>
<del>10</del>	<del>Hospitals and Sanitariums Nursing Homes-</del>	<del>5-</del>	<del>80</del>
<del>11-</del>	<del>Hotels and Apartments</del>	<del>40-</del>	<del>900</del>
<del>12-</del>	<del>Kitchen-Commercial-</del>	<del>30-</del>	<del>900</del>
<del>13</del>	<del>Library Reading Room-</del>	<del>50-</del>	<del>50</del>
<del>14-</del>	<del>Locker Rooms-</del>	<del>30-</del>	<del>50</del>
<del>15</del>	<del>Mechanical Equipment Room-</del>	<del>30-</del>	<del>300</del>
<del>16</del>	<del>Nurseries for Children (Day care)-</del>	<del>6-</del>	<del>50</del>
<del>17</del>	<del>Offices-</del>	<del>30-</del>	<del>100</del>
<del>18-</del>	<del>School Shops and Vocational Rooms-</del>	<del>50-</del>	<del>50</del>
<del>19</del>	<del>Skating Rinks-</del>	<del>50-</del>	<del>50 on the skating area; 15 on the deck</del>
<del>20-</del>	<del>Stores-Retail Sales Rooms</del>		
	<b>Basement</b>	<b>7-</b>	<b>80</b>



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	Ground Floor	50	30
	Upper Floors	10	50
21	Swimming Pools	50	50 for the pool area; 15 on the deck
22	Warehouses	30	300
23	All others	50	100

1 Refer to Sections 3318 and 3319 for other specific requirements.

2 Elevators shall not be constructed as providing a required exit.

3 Access to secondary areas on balconies or mezzanines may be by stairs only, except when such secondary areas contain the only available toilet facilities.

4 Reviewing stands, grandstands and bleachers need not comply.

5 Access to floors other than that closest to grade may be by stairs only, except when the only available toilet facilities are on other levels.

6 Access to floors other than that closest to grade and to garages used in connection with apartment houses may be by stairs only.

7 See Section 3302 for basement exit requirements.

8 See Section 1213 for access to building and facilities in hotels and apartments.

9 This table shall not be used to determine working space requirements per person.  
(Title 24, Part 2, Table 33A without Accessibility Column.)

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code; and Section 18943(c), Health and Safety Code.